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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/607,182

06/26/2003

Karl Heinz Kremer

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EXAMINER

ROHWER, JACOB P

ART UNIT

PAPER NUMBER

2625

MAIL DATE

DELIVERY MODE

06/22/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/607,182

Applicant(s)

KREMER, KARL HEINZ

Examiner

Jacob P. Rohwer

Art Unit

2625

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 June 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-21 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 26 June 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. **Claims 1-3, 5-11 and 12-19** are rejected under 35 U.S.C. 102(e) as being anticipated by US Patent No 6,650,431 to Roberts et al.

Regarding claim 1, Roberts discloses a system for processing at least one document, (Fig 1) the system comprising:

at least one input interface; (Fig 1, #102, #104 and #106 are client devices that generate documents and print parameters to be sent via a network (#122) to a printing control station, #108. Col 6 Lin 29-36)

at least one document production system operatively connected to said at least one input interface; (Fig 1, #110, #112, #114 and #116)

wherein the at least one input interface transmits at least one page of at least one document to the at least one document production system, (Fig 1, Col 6 Lin 29-33 and Lin 49-55) wherein the at least one document production system utilizes a program (Fig 2 #204, #206 and #208, Col 8 Lin 15-34) to assign at least one indicator to the at least one page of the at least one document; (Col 7 Lin 43-56 discloses using print

tokens and commands so that the control station can identify pages to be sent to respective printers based on print parameters, such as B/W or Color printing) and responsive to the at least one indicator, (Fig 4 and 5 discloses separating pages according to B/W and Color) the at least one document production system separates the at least one page of the at least one document from other pages of the at least one document. (Fig 1 discloses separate printers used to process B/W and Color pages, Col 6 Lin 56-63)

Regarding claim 2, Roberts further discloses the system of claim 1, wherein the at least one input interface is operatively connected to the at least one document production system by at least one network. **(Fig 1, #122 and Col 12 Lin 36-44 discloses the printers of Fig 1 can be connected to the control station via a network, #124 and #126 in Fig 1)**

Regarding claim 3, Roberts further discloses the system of claim 1, wherein the program is a tag assignor software program. **(Fig 3-5, Col 8 Lin 59—Col 10 Lin 8 discloses how the parser assigns tags, tokens and identifiers to the pages so that the job can be output properly.)**

Regarding claim 5, Roberts further discloses the system of claim 1, wherein the at least one indicator is at least one color content tag. **(Fig 5 #508)**

Regarding claim 6, Roberts further discloses the system of claim 1, wherein the at least one indicator is at least one black and white content tag. **(Fig 5 #511)**

Regarding claim 7, Roberts further discloses the system of claim 1, further comprising at least one printing station. **(Fig 1 #110 and #112)**

Regarding claim 8, Roberts further discloses the system of claim 7, wherein the at least one printing station receives instructions from the document production system to print the at least one page of the at least one document separately from the other pages of the at least one document. **(Fig 1 #110 and #112 discloses that B/W pages are sent to one printer, while Color pages are sent to the other printers separately from the B/W pages)**

Regarding claim 9, please see rejection of claim 1 above. Additionally, Fig 1 discloses an apparatus that includes the system as specified in claim 1.

Regarding claim 10, please see rejection of claim 1 above. Additionally, the system of claim 1 performs the method of claim 10.

Regarding claim 11, please see rejection of claim 3 above. Additionally, the system of claim 3 performs the method of claim 11.

Regarding claim 13, please see rejection of claim 5 above. Additionally, the system of claim 5 performs the method of claim 13.

Regarding claim 14, please see rejection of claim 6 above. Additionally, the system of claim 1 performs the method of claim 14.

Regarding claim 15, Roberts further discloses the method of claim 14, wherein the color content of the at least one page is printed at a first printing station and the other pages of the document are printed at a second printing station. **(Fig 1 #110 and #112 discloses that B/W pages are sent to one printer, while Color pages are sent to the other printers separately from the B/W pages, Col 6 Lin 56-63)**

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Regarding claim 16, Roberts further discloses the method of claim 10, further comprises storing the at least one indicator on a PDF page of the at least one page. **(Col 10 Lin 37-53 discloses format translations, including PDF, so that printers can print the pages including the tokens, tags and indicators assigned at the control station.)**

Regarding claim 17, Roberts further discloses the method of claim 10, further comprises moving the page with the at least one indicator of the at least one page to a new document. **(Fig 1 #118 and #120 discloses two different sets of pages, i.e. separate documents where one could be a color copy and the other a B/W copy.)**

Regarding claim 18, Roberts further discloses the method of claim 10, further comprises printing the separated at least one page in combination with the other pages of the document. **(Fig 1 #114 discloses a merge station for merging the separately printed pages in combination with the other pages.)**

Regarding claim 19, Roberts further discloses the method of claim 10, further comprises printing the other pages of the document. **(Fig 1 #110 and #112, both the Color and B/W pages are printed and then merged if necessary.)**

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

4. **Claims 4, 12 and 20-21** are rejected under 35 U.S.C. 103(a) as being unpatentable over Roberts as specified in the rejections of claims 1 and 10 above, and further in view of US Patent Application Publication No 2003/0103237 to Han.

Regarding claims 4 and 20, Roberts discloses that the system disclosed can be used for other print parameters, outside of the Color or B/W example. Roberts does not expressly disclose that indicator assigned to a page is an instructor tag (claim 4) or a student tag (claim 20).

However, Han discloses a device and system (**Fig 3**) where a user can generate copies of a document meant to be used by an instructor or a student, and based off this indicator set by the user, (**Fig 4**) the copies are output in either a presentation mode (transparency) or a normal mode (paper). (**Para [0013] discloses a situation in which there is a presenter (instructor) and attendees (students) watching the presentation. As a result of this, copies of a particular document can be output based on data entered by a user as seen in Fig 4, so that the appropriate number of copies can be output in transparency mode for the presenter, and in normal for the attendees.**)

At the time of the invention it would have been obvious to one of ordinary skill in the art to assign tags to the pages as specified in Roberts, based off the print parameters as set in Han which refer to printing copies of a document intended for an instructor (transparency) or a student (normal).

The suggestion/motivation for doing so would have been to provide an efficient system, for producing copies of transparencies and normal paper, so that a print job need only be submitted using one print command. **(Para [0014])**

Therefore, it would have been obvious to combine the Roberts and Han References in order to obtain the invention as specified in claims 4 and 20.

Regarding claims 12 and 21, please see rejection of claims 4 and 20 above. Additionally, the systems of claims 4 and 20 perform the methods of claim 12 and 21.

Conclusion

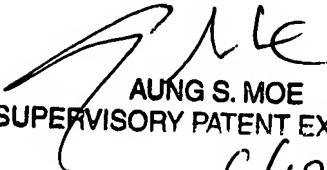
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jacob P. Rohwer whose telephone number is 571-272-5509. The examiner can normally be reached on M-F 9:00-5:30.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Aung Moe can be reached on 571-272-7314. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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Assistant Examiner
Art Unit 2625


AUNG S. MOE
SUPERVISORY PATENT EXAMINER
6/18/07


6/16/07